

MALCOLM PIRNIE

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

RFL, Inc.	127
Site Name	Site ID Number
Powerville Road	Boonton, NJ
Address	City, State

Date of Off-Site Reconnaissance February 7, 1985

SITE DESCRIPTION

RFL Industries, Inc. produces communication equipment for utilities. The Boonton site is located in a rural area, but several residences exist within a short distance of the site. The manufacturing processes produce liquid wastes and heavy metal precipitates (mostly from etching of metals). These wastes had been discharged to a percolation lagoon, which was found to be the source of groundwater contamination in the area. The lagoon has now been deactivated, and recent inspections by the NJDEP found that wastes are now being properly handled. No incidences of domestic drinking water supplies being contaminated are on record. NJDEP/DWR was overseeing the implementation of a lagoon closure plan as of January 19, 1984, however, no record of completion of remedial measures was found.

PRIORITY FOR FURTHER ACTION: High ☐ Medium ☒ Low ☐ None ☐

RECOMMENDATIONS

A site inspection is recommended; soil and ground water samples should be collected from the area of the lagoon.

Prepared by: Edward J. Enright Date: February 13, 1985

Of: Yurasek Associates

235661





POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1-SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE NJ 02 SITE NUMBER

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)
RFL, Inc.

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Powerville Road

03 CITY
Boonton

04 STATE
NJ

05 ZIP CODE
07005

06 COUNTY
Morris

07 COUNTY CODE

08 CONG. DIST.

09 COORDINATES
LATITUDE
40 55 53.0

LONGITUDE
74 25 35.0

BLOCK 12 LOT 19.1, 20, 24

10 DIRECTIONS TO SITE (Starting from nearest public road) I-287 to Parsippany-Troy Hills. Exit on Intervale Rd. (Rt. 202 S). Make first right onto Fanny Rd. which changes to Selcock Ave. then to Powerville Rd. (at Boonton border). RFL is on left (west) side

III. RESPONSIBLE PARTIES

01 OWNER (if known)
Dowty RFL Industries Inc.

02 STREET (Business, mailing, residential)
Powerville Road

03 CITY
Boonton

04 STATE
NJ

05 ZIP CODE
07005

06 TELEPHONE NUMBER
(201) 3343100

07 OPERATOR (if known and different from owner)
Jack Slater (Manager of Facilities)

08 STREET (Business, mailing, residential)
Powerville Road

09 CITY
Boonton

10 STATE
NJ

11 ZIP CODE
07005

12 TELEPHONE NUMBER
(201) 3343100

13 TYPE OF OWNERSHIP (Check one)

- ☒ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
(Agency name)
☐ F. OTHER ☐ G. UNKNOWN
(Specify)

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

- ☐ A. RCRA 3001 DATE RECEIVED: MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE (CERCLA 103c) DATE RECEIVED: MONTH DAY YEAR ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

BY (Check all that apply)

- ☒ YES DATE 5/2/84 MONTH DAY YEAR ☐ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☐ D. OTHER CONTRACTOR
☐ NO ☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER (Specify)

CONTRACTOR NAME(S)

02 SITE STATUS (Check one)

- ☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

BEGINNING YEAR ENDING YEAR

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Volatile organic chemicals and heavy metals were discharged to percolation lagoon until 1983. (Attachments A, C)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Potential for groundwater and/or soil contamination exists by discharges of volatile organics from percolation lagoon. (Attachments A, B, C)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2-Waste Information and Part 3-Description of Hazardous Conditions and Incidents)

- ☐ A. HIGH (Inspection required promptly) ☒ B. MEDIUM (Inspection required) ☐ C. LOW (Inspection on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT
Fred Schmitt

02 OF (Agency/Organization)
NJDEP/BEERA

03 TELEPHONE NUMBER
(609) 2921215

04 PERSON RESPONSIBLE FOR ASSESSMENT
Edward J. Enright

05 AGENCY

06 ORGANIZATION
Yurasek

07 TELEPHONE NUMBER
(201) 3277404

08 DATE
2/13/85
MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2- WASTE INFORMATION

I. IDENTIFICATION

01 STATE NJ 02 SITE NUMBER 127

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☒ A. SOLID ☐ E. SLURRY
☐ B. POWDER, FINES ☒ F. LIQUID
☐ C. SLUDGE ☐ G. GAS
☒ D. OTHER _____
(Specify)

02 WASTE QUANTITY AT SITE
(Measures of waste quantities
must be independent)

TONS unknown
CUBIC YARDS unknown
NO. OF DRUMS unknown

03 WASTE CHARACTERISTICS (Check all that apply)

- ☒ A. TOXIC ☒ E. SOLUBLE ☒ I. HIGHLY VOLATILE
☐ B. CORROSIVE ☐ F. INFECTIOUS ☐ J. EXPLOSIVE
☐ C. RADIOACTIVE ☐ G. FLAMMABLE ☐ K. REACTIVE
☒ D. PERSISTENT ☐ H. IGNITABLE ☐ L. INCOMPATIBLE
☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS	unknown		
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	unknown		

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SOL	1,1,1-Trichloro-ethane	71-55-6	Unlined lagoon	2.6	ppm
SOL	Toluene	108-88-3	Unlined lagoon		
SOL	Trichloroethylene	79-01-6	Unlined lagoon	1.243	ppm
SOL	Tetrachloro-ethylene	127-18-4	Unlined lagoon		
SOL	1,1,2,2,-Tetra-chloroethane	79-34-5	Unlined lagoon		
SOL	O-Xylene	95-47-6	Unlined lagoon		
MES	Copper	7440-50-8	Unlined lagoon		
MES	Lead	7439-92-1	Unlined lagoon		
MES	Zinc	7440-66-6	Unlined lagoon		
MES	Nickel	7440-02-0	Unlined lagoon		
MES	Silver	7440-24-4	Unlined lagoon		
MES	Chromium	7440-47-3	Unlined lagoon		
	(Attachments A and B)				

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

NJDEF Files: Attachments A and B



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3-DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE NJ 02 SITE NUMBER 127

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☒ OBSERVED (DATE: 9-1-81) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

Discharge from unlined percolation lagoon has contaminated the groundwater in the area. (Attachment A)

01 ☐ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE:) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

Potential exists for Contamination of soil adjacent to lagoon from infiltration. (Attachment A)

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE:) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

Potential exists for contamination of nearby wells or water bodies as contaminants spread through the aquifer. (Attachment A)

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE:) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

There is potential for population exposure through ground water contamination. (Attachment A)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3-DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NJ 127

II. HAZARDOUS CONDITIONS AND INCIDENTS *(Continued)*

01 ☐ J. DAMAGE TO FLORA

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ K. DAMAGE TO FAUNA

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION *(Include name(s) of species)*

01 ☐ L. CONTAMINATION OF FOOD CHAIN

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES

(Spills/runoff/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

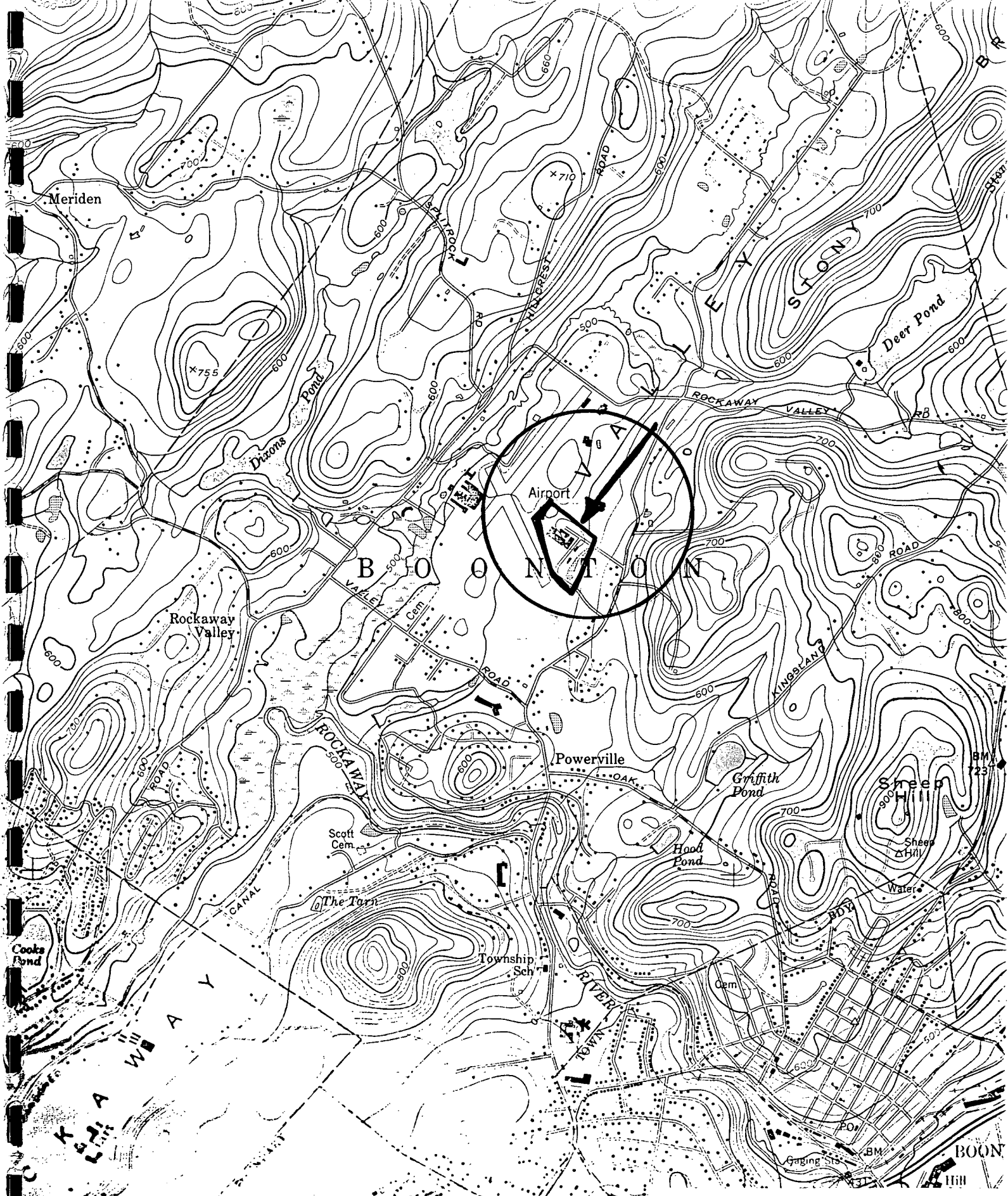
III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

Percolation lagoon has been deactivated. Recent inspection shows that waste is now being properly handled. NJDEP/DWR was handling implementation of lagoon closure plan as of 1/19/84. (Attach. B, C, E)

V. SOURCES OF INFORMATION *(Cite specific references, e. g. state files, sample analysis, reports)*

NJDEP Files, DWR Central Files, DWR/Geo File- Attachments A thru E



QUAD Boonton
SITE 127

MEMO

NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

TO Greg Cunningham through Joe Mikulka, Chief, Region IV Enforcement

FROM Steve Johnson through William Althoff, Manager, DATE 9/1/81
Pollution Analyses Section

SUBJECT Radio Frequency Laboratories, Inc. (RFL), Boonton Twp., Morris County
Water Quality Assessment

I have reviewed the recent water quality analyses submitted by RFL.

Ground Water Quality.

RFL has submitted additional water and two soil analyses data. These data are from water and soil samplings at the lagoon, monitor wells and two surface sites (soil).

The soil analyses show slight organic contamination. Both soil analyses detected toluene (23 - 34 - ppb), ethyl benzene (5 - 8 ppb) and benzene (1.0-1.5 ppb). The contaminant concentrations are very low and the contaminants are volatile organics which evaporate quickly.

ARC, the alledged dumper, has been directed to ascertain the effect of their dumping upon soil quality and ground water quality and cease immediately this disposal practice. The chemicals detected by RFL's soil sampling are not related to the chemical contamination detected in the water table aquifer at and down gradient of RFL's unlined lagoon.

RFL's resamplings (1981) show higher contaminant levels compared to our 1980 sampling. Their resamplings have ~~ascertained~~ ^{confirmed} the contamination and exhibit the need for repeated samplings.

In our sampling program at RFL in 1980, toluene, trichloroethylene (TCE), tetrachloroethylene (PCE) and 1,1,1 - trichloroethane were detected in the highest concentrations with lesser levels of 5 to 10 other organic chemicals. The highest concentrations were from RFL's discharge pipe into the lagoon and at the lagoon. TCE and 1,1,1 - trichloroethane were the two chief contaminants and were detected at 1.243 ppm (TCE) and 2.6 ppm (1,1,1), respectively at RFL's discharge pipe into the lagoon. The July 10, 1980, well samples found only low levels of the above four contaminants. Last year, well No. 2 above, located adjacent to the lagoon, showed the highest concentration.

In 1981, RFL submitted additional lagoon and monitor well sampling results. The lagoon analyses show a reduction of TCE and trichloroethane concentration; however, toluene has increased substantially.

RFL installed a aeration system at the lagoon. It is probably reducing the overall volatile chemical concentrations.

Monitor wells No. 2 and No. 3 detect higher contaminant concentrations in the aquifer. The specific contaminants detected have been found repeatedly in RFL's lagoon.

Monitor Well No. 3

This well is located on ARC's property, but is monitoring RFL's lagoon and presently is unsecured. The 2" pvc pipe and cap could easily be vandalized. RFL observed a stain at the bentonite clay seal at No. 3 and sampled the seal. Three organics (toluene, ethyl benzene and benzene) were detected by G.C. scan on the clay. The levels ranged

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from 1 to 35 ppb. This is a low concentration. The clay seal prevents downward flow of liquids at the 2" pvc casing and clay seal.

Conclusions

The analyses of soil and water submittal by RFL together with our 1980 water analyses indicate that the source of contamination in the water table aquifer near the southern boundary of RFL's property is the RFL lagoon. Moreover, the water table elevation (s obtained at each RFL monitor well indicate that M-2 and M-3 are down gradient of RFL's lagoon. No. 1 is up gradient. Chief contaminants affecting water quality include TCE, PCE, Toluene and 1,1,1 - Trichloroethane. ARC's imprudent disposal methods have had a negligible affect upon RFL's monitor wells, as shown by comparison of soil and ground water contaminants and their concentrations.

Recommendations:

1. Radio Frequency Labs should engage the services of a hydrogeological consulting firm. This firm should investigate the extent and degree of the contamination of the water table aquifer caused by RFL's discharges into their unlined percolation lagoon. Additional wells will be necessary to define the full extent of contamination. A pre-investigative conference is needed between RFL and DEP Enforcement personnel.
2. Monitor well No. 3 located south of RFL's lagoon and on ARC property, should be properly secured. I recommend a steel sleeve with locking hasp top to protect the top of casing. This steel sleeve should be cemented 2 to 3 feet into the ground. Perhaps all their monitor wells should be so secured.
3. A consultant's report, evaluating the extent and degree of aquifer contamination, must be completed within 120 days. Depending upon severity and extent of the problem, remedial measures should be included in the investigation.
4. Referring to RFL's previous request for the location of their fourth (4th) monitor well, RFL's consultant should decide on this in conjunction with the Department. We will discuss its details during the pre-investigation conference recommended above.

WQM59:clb

cc: Central Files
Bill Beggs, Best Management Practices

The following FINDINGS are made and ORDER issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (NJDEP) by N.J.S.A. 13:1D-1 et seq. and the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq., and duly delegated to the Assistant Director of Enforcement of the Division of Water Resources pursuant to N.J.S.A. 13:1B-4.

FINDINGS

1. RFL Industries, Inc., a Dowty Group Company (hereinafter "RFL") operates an infiltration/percolation lagoon (as defined in N.J.A.C. 7:14A-1.10 of the Regulations Concerning the New Jersey Pollutant Discharge Elimination System (NJPDES)) at its facility located on Powderville Road, Boonton Township, Morris County. Results of water samples collected from the lagoon by RFL on May 23, 1982, July 14, 1982, August 20, 1982, and December 15, 1982, and by NJDEP on July 10, 1980 are summarized in Appendix A to this Order. These results indicate that the lagoon contains the following pollutants which are listed as hazardous substances under N.J.A.C. 7:1E-1.1 et seq.:
copper, lead, iron, zinc, nickel, silver, chromium, 1,1,1 trichloroethane, toluene, trichloroethylene, tetrachloroethylene, 1,1,2,2 tetrachloroethane, and o-xylene.
2. During a meeting held on February 16, 1983, representatives of RFL informed representatives of NJDEP that the infiltration/percolation lagoon would be eliminated by July 1, 1983.

of pollutants without a valid NJPDES permit is a violation of the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq., specifically, N.J.S.A. 58:10A-6a, and the NJPDES Regulations, N.J.A.C. 7:14A-1 et seq., specifically, N.J.A.C. 7:14A-1.3.

ORDER

NOW, THEREFORE, IT IS HEREBY ORDERED AND AGREED THAT RFL:

4. Shall cease all discharges to the ground water, and specifically to the infiltration/percolation lagoon, by July 1, 1983.
5. Shall continue to monitor, until such time as the discharge to the infiltration/percolation lagoon has been eliminated, which shall be on or before July 1, 1983, in accordance with the conditions listed in Appendix B to this ORDER. Ground water monitoring shall continue subsequent to elimination of the lagoon. NJDEP will issue an initial interim NJPDES Discharge to Ground Water Monitoring Permit in accordance with the terms of the approved closure plan required in paragraph 6 which will include the conditions listed in Appendix B and the terms of the approved closure plan required by paragraph 6.
6. Shall submit by _____, to NJDEP a closure plan for the infiltration/percolation lagoon, in conformity with all applicable State and Federal laws and regulations. Upon approval of the closure plan, shall implement the plan.
7. Any submission of information required by this ORDER shall be mailed to:

Joseph M. Mikulka, Chief
Region IV
Enforcement Element
Division of Water Resources
CN-029
Trenton, New Jersey 08625

*Clean
progress?*

RFL Industries, Inc.

Boonton, New Jersey 07005 • Tel (201) 334-3100 • TWA 710 987 8352 • Cable RADAIKCO. N. J.
A Dowty Group Company

June 16, 1983

Mr. Gregory Cunningham
Region IV
Department of Environmental Protection
Division of Water Resources
P. O. Box CN 029
Trenton, New Jersey 08625

JUN 21 1983

Dept. Environmental Protection
Division Water
Water Quality Management

Dear Mr. Cunningham:

We have received and reviewed your draft of a proposed Administrative Consent Order as was originally discussed in our meeting of February 16, 1983.

RFL is willing to have a duly designated representative sign the revised, corrected copy of this Consent Order pursuant to N.J.S.A. 58:10A-10(b), which you will return to RFL.

Please make note of the following:

1. The property in question, located at Powerville Road in Boonton Township, where the lagoon is situated is now owned by Dowty RFL Industries Inc., a Delaware Corporation and the responsible business is legally called Dowty RFL Industries Inc. We trade as RFL Industries, Inc. because of public name recognition. To avoid confusion, this should be clearly stated, since the Dowty Group owned separate entity company, RFL Industries, Inc., is no longer actively operating at the Powerville Road site nor can it be held accountable since its assets and liabilities have been transferred to Dowty RFL Industries Inc. I would hope we could keep the same file numbers and DEP/EPA numbering system to avoid confusion in the future and the real possibility of an apparent lack of continuity on the site. We do not want one-half of the file under Dowty and one-half of the file under RFL.
2. RFL's rinse water discharge from the metal finishing area of about 100 gals daily to the lagoon has been eliminated effective May 27, 1983. The concrete floor and drain to the outside waste pipe to the lagoon is broken up. We have installed the closed loop rinse water treatment tanks, equipment and poured a new concrete floor. Because of need to wait to properly cure the concrete before coating, we have delayed the start-up of the closed loop process until early July. We are confident that it will work as the technology is not difficult.
3. The water level is very high in the lagoon because of high levels of rainfall. A pump is casting a fountain to encourage evaporation to get rid of this water prior to sludge removal.

Mr. Gregory Cunningham
Department of Environmental Protection

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4. RFL has agreed to install the fourth monitoring well at a selected site according to Mr. Steve Johnson and Ground Water Technology. Last week the drilling rig could not reach this site because of very wet soil conditions. This well will be delayed because of weather conditions.
5. RFL has submitted through Ground Water Technology, Inc. a preliminary closure plan to Mr. Galley in the Division of Water Resources on April 29, 1983. At this point in time, we cannot set a date for the final plan, but would expect it to be no later than August 1, 1983. We understand your Mr. John Slaughter of the Bureau of Ground Water Discharge Permits and Ground Water Technology have a few more minor points to resolve. Possibly this can be dropped from the Consent Order text, paragraph #6.

Please advise if you have any questions. We look forward to the final draft for signing.

Very truly yours,

DOWTY RFL INDUSTRIES INC.

Richard W. Seabury, III
Vice President

RWSIII:mch

cc: H. L. Sears, Esq.
Joseph M. Mikulka, Chief, Region IV
John Slaughter, Bureau of Ground Water Discharge
Permits, NJDEP
Stephen Johnson, Geological Survey Element, NJDEP ✓
Ground Water Technology, Inc.

MEMONEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

John Trela, Chief
TO Bureau of Groundwater Discharge Permits, DWR
Frank Coolick, Chief
FROM Bureau of Hazardous Waste Engineering, DWM DATE 19 JAN 1984
SUBJECT RFL Industries, Inc., EPA ID NO. NJD002156677

RFL Industries, Inc., Boonton Facility has contacted this office (through Steven Caretsky, Groundwater Technology, Inc.) requesting delisting of their S01 hazardous waste activity on the basis of exemption for generator's accumulation of containerized waste for 90 days or less.

Prior to July 1, 1983 the company also operated an infiltration/percolation lagoon for treatment/disposal rinse waters from metal finishing operations which is identified as T02 hazardous waste activity. This activity constitutes a RCRA IWMF which would be regulated by the Division of Water Resources under NJPDES rules.

Accordingly, on December 1, 1983 Groundwater Technology, Inc. submitted a Closure Plan to DWR regarding RFL's Boonton Facility Lagoon. Since DWR has reviewed the Closure Plan and is presently handling the implementation thereof, we are transmitting the entire RFL file to your Bureau so that you can effectively regulate the only remaining hazardous waste activity at the Boonton site with a view toward possible eventual complete delisting of this facility.


F.C.

EP14/ch

ATTACHMENT D

NJDEP INSPECTION FORM

POWERSVILLE ROAD
BOONTON NJ 07005

TEL: (201) 334-3100
TWX: 710-987-8352

RICHARD W. SEABURY III
CORPORATE SECRETARY
VICE PRESIDENT, INDUSTRIAL RELATIONS

RFL Industries, Inc.
A FORTY GROUP COMPANY

Report Prepared for:

Generator ☒

Transporter ☐

HWM (TSD) facility ☒

Facility Information

Dowry
Name: RFL Industries

Address: Powersville Rd.

Boonton, N.J. 07005

Lot: 20 Block: 12

County: Morris

Phone: (201) 334-3100

EPA ID#: NJ D002156677

Date of Inspection: 5/21/84

Participating Personnel

State or EPA personnel: Bob Dante - NJDEP

Kevin Krause

Facility personnel: Richard W. Seabury III U.P.

Jack Slater Facility Manager

Report Prepared by Name: Bob Dante

Region: North

Telephone #: (201) 648-3669

Reviewed by: N. Dawson

Date of Review: 6-14-84

ATTACHMENT E

NOTICE OF VIOLATION

DATE 5/21/84

NAME OF FACILITY DFL Industries

LOCATION OF FACILITY Powerville Rd, Boonton, N.J.

NAME OF OPERATOR Jack Slater

You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed.

These violation(s) have been recorded as part of the permanent enforcement history of your facility.

- DESCRIPTION OF VIOLATION
- * 7:26-9.7(h) No evacuation procedures (written).
 - * 7:26-9.7(i) - Contingency plan not sent to local authorities
 - * 7:26-9.4(f)2 No waste analysis plan
 - * 7:26-9.4(f)3 - No written inspection schedule
 - * 7:26-9.4(f)6 - No inspection log
 - * 7:26-9.4(g)5 - No personnel training plan (written)
 - * 7:26-9.4(g)8 - No semi annual drills to test emergency response capabilities.
 - * 7:26-9.6(f)3 - No arrangements have been made with emergency response contractors
 - * 7:26-9.6(f)4 - No arrangements with local hospitals

Remedial action to correct these violations must be initiated immediately and be completed by

June 5, 1984. Within fifteen (15) days of receipt of this Notice of Violation, you shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures you have taken to attain compliance. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of \$25,000 per violation.

Robert J. D'Amico
Investigator, Division of Waste Management
Department of Environmental Protection

TIME IN

TIME OUT

TIME IN: 1020

TIME OUT: 1400

FACILITY NAME: BFL Industries

ADDRESS: Powerville Rd

Doon ton

COUNTY: Morris

EPA ID #: NJ D00 2156677

DATE OF INSPECTION: 5/21/84

PHOTOS TAKEN

☐

YES

☒

NO

If yes, how many? _____

SAMPLES TAKEN

☐

YES

☒

NO

NUMBER OF SAMPLES _____

NJDEP ID # _____

MANIFESTS REVIEWED

☒

YES

☐

NO

Number of manifests in compliance 4

Number of manifests not in compliance 0

List manifest document numbers of those manifests not in compliance.

DATE: 5/24/84

RFL Industries

A field NOV was given for the following violations at the site. 7:2-9.7 b, 7:26-9.7(1), 7:26-9.4(f)3, 7:26-9.4(g)5, 7:26-9.4(g)8, 7:26-9.6(f)3 and 7:26-9.6(f)4. All violations are paper violations. RFL was given until 6/6/84 to submit the paperwork to the DEP. Housekeeping at the facility was good except for the ^{segregation} ~~segregation~~ of Hazardous materials in the storage area. Mr. Slaton was told to store the wastes on one side of the enclosed storage area and place raw materials on the other side. Mr. Slaton stated that RFL is going to build a separate hazardous waste storage area.

6/19/84

Reviewed paper violations and found them acceptable. bD

Summary of Findings

Manufacturing and Operations

RFL manufactures communication equipment for utilities. They assemble and paint the equipment. Most wastes on site are from the solder flow operation where the spent solder flux is put in drums and treated as hazardous waste. Other hazardous wastes are generated from the metal finishing operation which was described as follows: Aluminum metal parts are put in a caustic bath, rinsed then placed in a ^{Chromium} bath, this procedure prepares the aluminum for painting. The steel parts are etched in a caustic bath, rinsed, placed in a chromate bath and then put in a iron phosphate solution. Waste waters used to be discharged into the facility lagoon now they are discharged into the facilities waste water treatment system. Sludges generated from this operation are manifested off site. The baths are changed approximately every three years and are manifested off site. Ground water monitoring wells have been installed. The analysis has shown ground water contamination adjacent to and surrounding the lagoon. wells located on the property line have shown little or no contamination.

Note* All paints used at the site are water base paints.

...the generation of hazardous

...generated from a flow solder

Ignitron tube containing mercury used as
a test equipment for watt meters. When the
ignitron tube is used up it is treated as a
hazardous waste removed by (A.E.T.C.).

Identify the hazardous waste located on site, and estimate the approximate quantities of each. (Identify Waste Codes)

1. Spent Solder Flux - 13, Five gallon plastic
Pails (0002) --
2. Mercury from Ignitron tube - one plastic bag
containing the tube (0009)

**MALCOLM
PIRNIE****OFF - SITE RECONNAISSANCE**Date: FEBRUARY 7, 1985Time In 10:30am Out 11:05amSite ID No. 127Site Name: RFL Inc.Location: off Powerville Rd.Address: Powerville RoadCity, County Boonton, MorrisZip: 07005Personnel: Thomas FowlerEdward EnrightTitle: Project HydrogeologistEngineerConditions: Clear, Snow on groundTemperature: 25°FAny evidence of imminent hazard? noIllegal Dumping? noUncapped Monitoring Wells? no

If Yes, Notify NJDEP

Signature: Edward J. EnrightDate: 2-7-85Witness: Tom FowlerDate: 2/7/85

Site: RFL Inc.

Site ID No. 127

Date: February 7, 1985

Nothing unusual is visible. Swamp area on east side of facility noted. South entrance closed. Lagoons not viewable. No wells seen. (Nothing can be checked without trespassing on property.)

Signature: Edward J. Enright

Date: 2-7-85

Witness: Tom Fowler

Date: 2/7/85

Subject: RFL, Inc.

Site ID No. 127

Date: February 7, 1985

Page No. 1

ASA: 100

Frame No: Object photographed:* Location of photographer:* Compass heading:

(Roll #1)

* legal?

7	Discharge into drum (sealed)	Driveway	South west
8	South entrance to plant (closed)	Roadway	West
9	General-looking at facility	Driveway	West

*Indicate on sketch or map if possible

Signature:

Edward J. Emmert

Date:

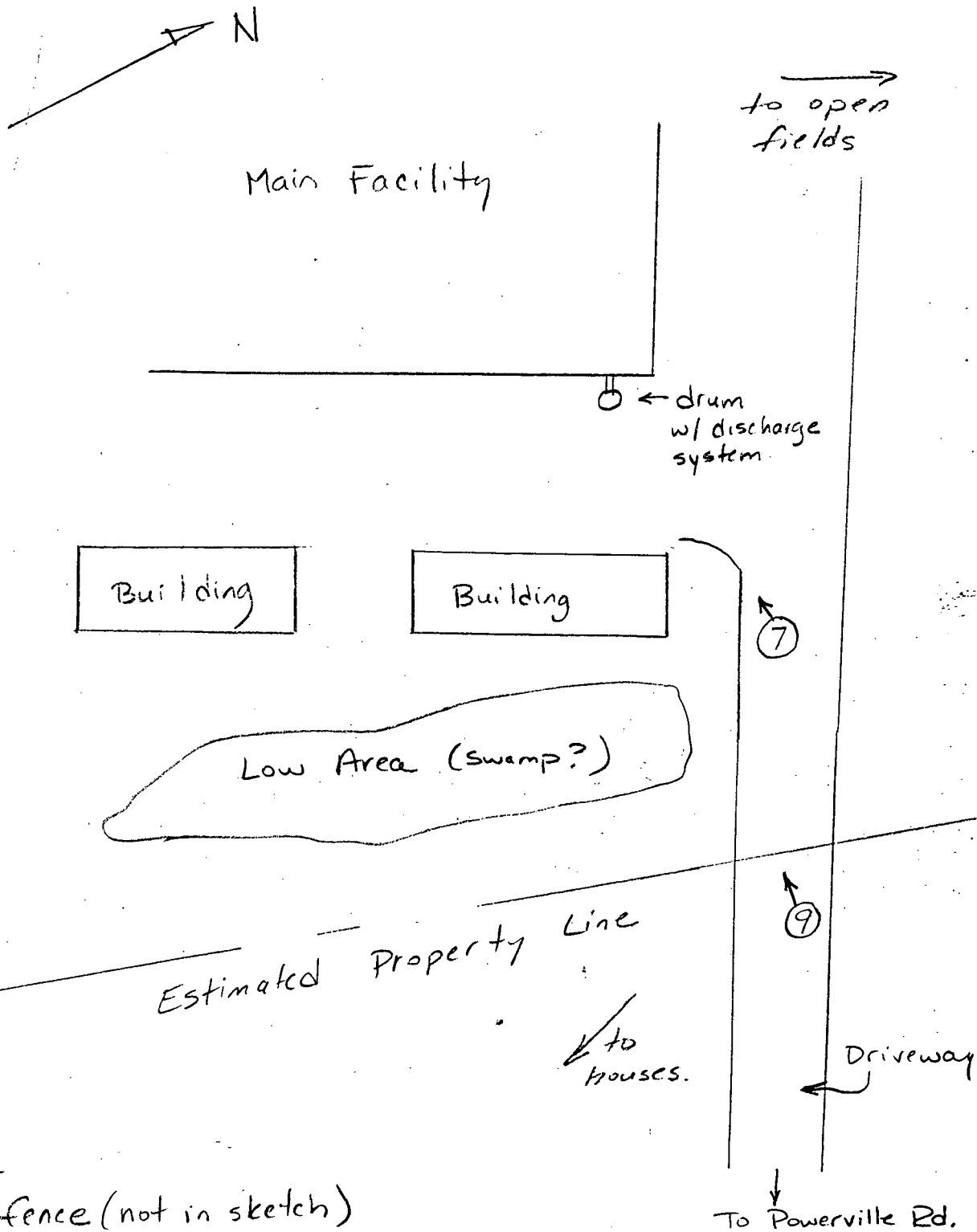
2-7-85

Witness:

Tom Fowler

Date:

2/7/85



Signature:

Edward J. Enright

Witness:

Don Fowler

Date:

2-7-85

Date:

2/7/85

SITE: RFL, INC.

I.D. 127

DATE: FEB. 7, 1985



FRAME: 7 TIME: 10:40 A.M. DIRECTION: S.W.

DESCRIPTION: DISCHARGE INTO DRUM (SCALED)



FRAME: 8 TIME: 10:50 A.M. DIRECTION: W

DESCRIPTION: SOUTH ENTRANCE TO PLANT (CLOSED)

SITE: RFL, Inc.

I.D. 127

DATE: FEB. 7, 1985



FRAME: 9 TIME: 10:55 A.M. DIRECTION: W.

DESCRIPTION: GENERAL VIEW OF FACILITY

FRAME: _____ TIME: _____ DIRECTION: _____
DESCRIPTION: _____

MALCOLM
PIRNIE

SITE NAME: RADIO FREQUENCY LABS

ID NO: 127

LOCATION: BOONTON TWP.

FILE	SEARCH DATE	REVIEWER	RCRA 300I FORM	CERCLA 103C FORM	PRELIMINARY INSP. REPORT	FIELD INSPECTION REPORTS	AGENCY INTERNAL REPORTS	RESP. PARTY MEMOS	FORMAL REPORTING CORRESPONDENCE	SITE SKETCHES	ANALYTICAL DATA	SECOND SEARCH DATE	REMARKS	QA CHECK
D.W.R. TRENTON	2/1/85	YA	NF	NF	NF	NF	NF	NA	NA	NA	✓		Not much evidence of Contam.	

CODES:

- ✓ REVIEWED AND COPIED
- X REVIEWED BUT NOT COPIED
- NF NOT FOUND

MALCOLM
PIRNIE

SITE NAME: RFL Industries

ID NO: 127

LOCATION: Boonton

Morris City

FILE	SEARCH DATE	REVIEWER	RCRA 300I FORM	CERCLA 103C FORM	PRELIMINARY INSP. REPORT	FIELD INSPECTION REPORT	AGENCY INTERNAL REPORTS	RESP. PARTY MEMOS	FORMAL CORRESPONDENCE	SITE SKETCHES	ANALYTICAL DATA	SECOND SEARCH DATE	REMARKS	QA CHECK
DUR/Central	1/30/85	LK							✓	✓	✓			

CODES:

- ✓ REVIEWED AND COPIED
- X REVIEWED BUT NOT COPIED
- NF NOT FOUND

MALCOLM
PIRNIE

SITE NAME: RFL - RADIO FREQUENCY LAB

ID NO: 127

LOCATION: BOSTON TWP
MORRIS

FILE	SEARCH DATE	REVIEWER	RCRA 300I FORM	CERCLA 103C FORM	PRELIMINARY INSP. REPORT	FIELD INSPECTION REPORT	AGENCY INTERNAL REPORTS	RESP. PARTY CORRESPONDENCE	FORMAL REPORTING DOCUMENTS	SITE SKETCHES	ANALYTICAL DATA	SECOND SEARCH DATE	REMARKS	QA CHECK
DWR/GFO	2/1/85	MS				✓	✓	✓			✓		Organic G-W CONTAMINATION NO good SITE SKETCHES	

CODES:

- ✓ REVIEWED AND COPIED
- X REVIEWED BUT NOT COPIED
- NF NOT FOUND

MALCOLM
PIRNIE

SITE NAME: RFL Soc

FILE	SEARCH DATE	REVIEWER	RCRA 3001 FORM	CERCLA 103C FORM	PRELIMINARY INSP. REPORT	FIELD INSPECTION REPORT	AGENCY INTERNAL REPORTS	RESP. PARTY MEMOS	FORMAL REPORTING CORRESPONDENCE	SITE SKETCHES	ANALYTICAL DATA	SECOND SEARCH DATE	REMARKS	QA CHECK
NJ DEP	11/30/85	R.K. Bardone	NF	NF	✓	✓	✓	NF	✓	✓	NF		CHECKED THE INSPECTION PLANE & MADE COPY	

ID NO: 14-1020
PONERVILLE, BOONTON, NJ
LOCATION: ROAD
MORRIS COUNTY

CODES:

- ✓ REVIEWED AND COPIED
- X REVIEWED BUT NOT COPIED
- NF NOT FOUND

So/c

MALCOLM
PIRNIE

TELEPHONE CALL CONFIRMATION

SITE No 125/127

Local _____ Long Distance 334-6891

Date 2/20/85

To/From Boonton Township Tax Assessor

Time 1:00 pm

Project NJ DEP PA

MPI Name Yurasik Associates - Ed Enright

Proj. No. 835-03-1

Subject: Requested information on properties: -
Johanson Manufacturing is Block 12 Lots 3, 4, 5, 6, 7, and 21.
RFL Inc. is Block 12 Lots 19, 20, and 24.
The tax assessor noted that the property on
which Johanson operates is owned by Edna
Johanson. Also, RFL Inc location is owned
by Dowty - RFL Industries.

Route to:

File: